home lighting systems and Rs. 300 on solar cookers is being provided duirng 1997-98 for people belonging to Scheduled Castes, Scheduled Tribes and those Below Poverty Line to commemorate the 50th Anniversary of Indian Independence.

(c) Does not arise.

Funds Sanctioned for Development of Solar Energy

575. SHRI RAHASBIHARI BARIK: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state the details of the funds sanctioned by Government for the development of solar energy for 1997-98 for the Orissa State?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (CAPT. JAI NARIAN PRASAD NISHAD): The Ministry of Non-Conventional Energy Sources has allocated 1,000 solar lanterns and 100 home lighting systems to Orissa under the solar photovoltaic programme for 1997-98. The Central Government provides a subsidy Rs. 1500 and Rs. 6,000 on solar lanterns and home lighting systems respectively. A special additional subsidy of Rs. 500 on solar lantern, Rs. 1500 on home lighting systems and Rs. 300 on solar cookers is being provided during 1997-98 for people belonging to Schedule Castes, Schedule Tribes and those below Poverty Line to commemorate the 50th Anniversary of Indian Independence. The State Government has also provided Rs. 1500 lakhs for the solar energy programmes under the State Plan.

Review of Non-Conventional Energy Components

576. SHRI RAHASBIHARI BARIK: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether Government have reviewed the performance of various components of non-conventional energy sources 1996-97 in the country.

(b) if so, the details thereof, State-wise;

(c) whether all the projects of Orissa are operative and are working satisfactory;

(d) if so, the details thereof; and

(e) if not, the steps taken by Government to make them operational?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (CAPT. JAI NARAIN PRASAD NISHAD): (a) and (b) Yes Sir, the Ministry has reviewed the performance of major programmes of Non-Conventional energy Sources for 1996-97 in the Country. The details of programme implemented during 1996-97, are given in Statement-I (*See* below)

(c) to (e) The Government is generally satisfied with the progress of utilisation of non-conventional energy sources in the country including in the State of Orissa. Various Systems /devices installed in the State of Orissa and in the country are given in the Statement-II (*See* below). The progress in implementation of programmes including the functioning of existig sytems and devices is reviewed periodically. During the operation of the systems, routine operation and maintenance problems are observed and attended to by the suppliers/State Nodal Agencies. The Ministry has taken various initiatives for the revival of various systems and devices in the Country including in the State of Orissa. Special components such as Annual Maintenance Contract, financial assistancee for the revival of non-functional systems and renovation/modernization of old projects have been included in the various programmes of the Ministry.

Statement-I

(i) *State-wise achievements made under various Non-Conventional Energy Programme during 1996-97.*

Sl. No.	Name of State	Wind Power (MW)	Small Hydro Power (MW)	Biomass Combustion & Cogeneration (MW)	Solar Power (KW)
1	Andhra Pradesh	9.39	—	—	—
2	Arunachal Pradesh	—	1.00	—	—
3	Assam	—	—	—	—
4	Bihar	—	0.04	—	—
5	Gujrat	31.137	—	—	—
6	Goa	—	—	—	—
7	Haryana	—	—	—	—
8	Himachal Pradesh	—	0.02	—	—
9	Jammu & Kashmir	—	—	—	—
10	Karnataka	3.27	5.40	1.00	—
11	Kerala	—	3.00	—	—
12	Madhya Pradesh	2.7	1.00	—	240
13	Maharashtra	2.77	0.75	1.50	—
14	Manipur	—	—	—	—
15	Meghalaya	—	—	—	—
16	Mizoram	—	—	—	—
17	Nagaland	—	—	—	—
18	Orissa	—	—	—	—
19	Punjab	—	—	—	—
20	Rajasthan	—	—	—	—
21	Sikkim	—	—	—	—
22	Tamil Nadu	118.48	—	27.00	126
23	Tripura	—	—	—	—
24	Uttar Pradesh	—	4.25	7.50	—
25	West Bengal	—	0.52	—	—
26	Andaman & Nicobar	—	—	—	—
27	Chandigarh	—	—	—	—
28	Dadar & Nagar Haveli	—	—	—	—
29	Delhi	—	—	—	—
30	Lakshwadeep	—	—	—	—
31	Pondicherry	—	—	—	—
32	Others	—	—	—	—

(ii) State-wise achievements made under various Non-Conventional Energy Programme during 1996-97

Sl. No.	Name of State	Solar Water Puming Systems (Nos.)	Solar Cooker (No.)	Soalr Water Heating Systems (m^2 collector area)
1	Andhra Pradesh	69	587	—
2	Arunachal Pradesh	—	269	—
3	Assam	17	—	—
4	Bihar	39	—	—
5	Gujrat	13	865	—
6	Goa	2	15	—
7	Haryana	3	1800	330
8	Himachal Pradesh	—	1035	1451
9	Jammu & Kashmir	4	—	—

Sl. No.	Name of State	Solar Water Puming Systems (Nos.)	Solar Cooker (No.)	Soalr Water Heating Systems (m^2 collcetor area)
10	Karnataka	42	—	—
11	Kerala	82	—	1506
12	Madhya Pradesh	1	13000	96
13	Maharashtra	22	950	—
14	Manipur	—	—	—
15	Meghalaya	—	—	—
16	Mizoram	8	—	—
17	Nagaland	—	—	—
18	Orissa	—	116	22
19	Punjab	27	1295	1217
20	Rajasthan	27	625	—
21	Sikkim	—	—	—
22	Tamil Nadu	68	4	—
23	Tripura	—	6	—
24	Uttar Pradesh	26	1112	—
25	West Bengal	26	700	—
26	Andaman & Nicobar	—	—	10
27	Chandigarh	—	—	—
28	Dadar & Nagar Haveli	—	—	—
29	Delhi	13	—	—
30	Lakshwadeep	—	—	—
31	Pondicherry	—	363	—
32	Others	—	—	—

(iii) *State-wise achievements made under various Non-Conventional Energy Programme during 1996-97.*

Sl. No.	Name of State	Solar Photovoltaic Systems		Biogas Plants (Nos.)	Improved Chulha (Nos.)	Biomass Gasifier	
		SPV Systems (Nos.)	Power Plants/ Packs (kWp)			No. of Systems	Capacity (KW)
1	Andhra Pradesh	—	5.76	14921	204732	54	1320
2	Arunachal Pradesh	—	—	27	415	—	—
3	Assam	100	1.10	5843	4382	—	—
4	Bihar	14614	—	1382	6069	—	—
5	Gujrat	1632	—	19362	63921	—	—
6	Goa	—	—	163	9444	1	40
7	Haryana	3097	—	2288	353240	—	—
8	Himachal Pradesh	4700	—	1300	17390	—	—
9	Jammu & Kashmir	240	—	196	14000	—	—
10	Karnataka	—	—	26124	67588	—	—
11	Kerala	12081	—	3421	74234	—	—
12	Madhya Pradesh	5000	—	20798	248312	6	700
13	Maharashtra	—	—	15067	124535	1	500
14	Manipur	—	—	201	5068	—	—
15	Meghalaya	655	—	20	—	—	—
16	Mizoram	—	—	120	2950	—	—
17	Nagaland	—	—	182	1850	—	—
18	Orissa	233	—	11894	172602	—	—
19	Punjab.	—	—	4468	60000	—	—
20	Rajasthan	5556	76.95	1869	106721	—	—

Sl. No.	Name of State	Solar Photovoltaic Systems		Biogas Plants (Nos.)	Improved Chulha (Nos.)	Biomass Gasifier	
		SPV Systems (Nos.)	Power Plants/ Packs (kWp)			No. of Systems	Capacity (KW)
21	Sikkim	—	—	201	5117	—	—
22	Tamil Nadu	1219	—	3894	208142	—	—
23	Tripura	—	—	87	3188	—	—
24	Uttar Pradesh	13800	—	16141	227889	—	—
25	West Bengal	739	—	12591	169823	5	500
26	Andaman & Nicobar	38	—	7	1740	—	—
27	Chandigarh	—	—	—	1500	—	—
28	Dadar & Nagar Haveli	—	—	2	1000	—	—
29	Delhi	307	—	3	2120	—	—
30	Lakshwadeep	291	—	—	—	—	—
31	Pondicherry	2	—	1	2256	—	—
32	Others	—	—	—	—	—	—

Statement-II

Various Non-Conventional Energy Systems/Devices installed in the State of Orissa and in the country as on 31st October, 1997.

Sl. No.	Programmes	Cumulative Achievements up to 31.03.1997 in	
		Orissa	National
1.	Biogas Plants (Nos.)	1,32,297	25,38,992
2.	Improved Chulha (Nos.)	13,54,000	2,28,43,000
3.	Solar Energy programme		
	i. Solar Lanterns (Nos.)	1967	1,31,190
	ii. Street Light Systems (Nos.)	2068	31,527
	iii Home light Systems (Nos.)	256	52,330
	iv. Community Lighting/TV Systems (Nos.)	58	875
	v. Solar Power Packs (Nos./capacity)	5 (33.91 kWp)	184 (999 kWp)
4.	Solar Cookers	2530	4,35,940
5.	Solar Thermal systems	2,459 m^2	3,80,000 m^2
6.	Water Pumping Wind Mills (Nos.)	322	3280
7.	Small Hydro Power projects (Nos./Capacity)	3 (1.26 MW)	210 (144.24 MW)

एकीकृत ग्रामीण ऊर्जा कार्यक्रम

577. **श्री ईश दत्त यादव:** क्या गैर पारंपरिक ऊर्जा स्रोत मंत्री यह बताने की कृपा करेंगे कि:

(क) एकीकृत ग्रामीण ऊर्जा कार्यक्रम की मुख्य विशेषताएं क्या हैं;

(ख) उत्तर प्रदेश में इसको किस प्रकार कार्यान्वित किया जा रहा है तथा उसका ब्यौरा क्या है;

(ग) क्या सरकार ने राज्य में एकीकृत ग्रामीण ऊर्जा कार्यक्रम के संबंध में हुई प्रगति का अध्ययन कराया है;

(घ) यदि हां, तो उसका ब्यौरा क्या है; और

(ङ) क्या राज्य में इस कार्यक्रम से अपेक्षित परिणाम मिल रहे हैं?

गैर पारंपरिक ऊर्जा स्रोत मंत्रालय के राज्य मंत्री (कैप्टन जय नारायण प्रसाद निषाद): (क) एकीकृत ग्रामीण ऊर्जा कार्यक्रम (आई०आर०ई०पी०) का उद्देश्य एकीकृत ग्रामीण ऊर्जा योजनाओं और परियोजनाओं को बनाकर और इनका कार्यान्वयन करके जीवन बसर करने और उत्पादनकारी उद्देश्यों की पूर्ति के लिए सभी प्रकार के ऊर्जा स्रोतों के इष्टतम मिश्रण को उपलब्ध कराना है। इस कार्यक्रम में केन्द्रीय और राज्य क्षेत्र संघटक शामिल